

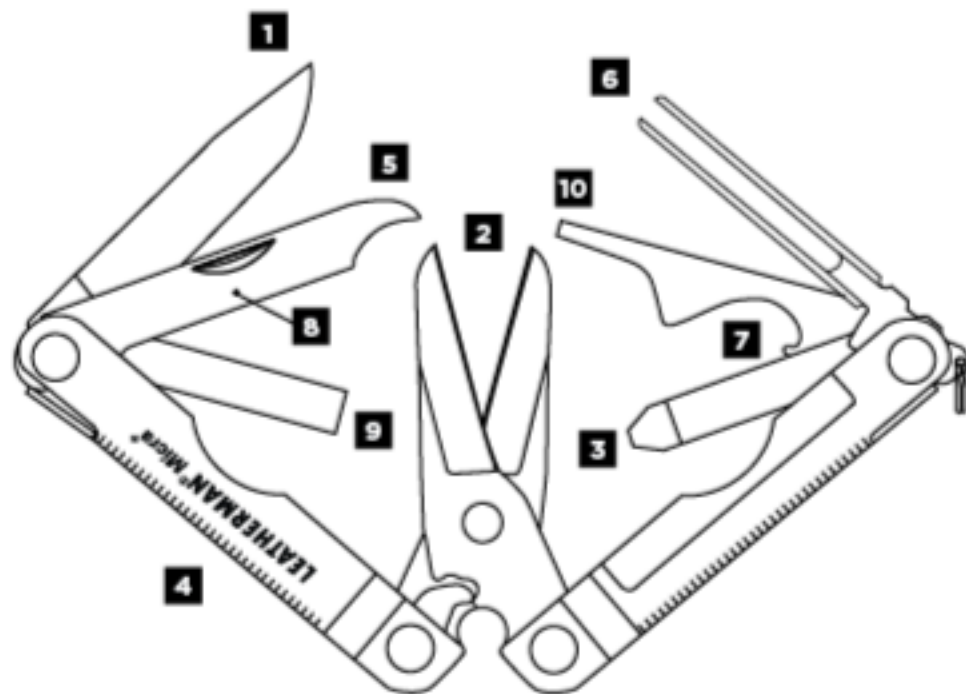
The Simple Pocket Knife



Source: Contemporary Knife Targeting: Modern Science vs. W.E. Fairbairn's Timetable of Death

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KNIFE DIAGRAM



DATA

Table illustration represents data collected by the FBI in 1992, but is relevant through 2001

Sample Subject: 34 Year Old Man, 5' 10", 188 lbs.

6.1kml [6 liters] blood available [for every pound of body weight = 32.47ml of blood]

If the wound severs any of the targets, subject is expected to lose 98ml/heartbeat

At 20% blood loss, hypovolemic shock occurs

Pulse rate rises, blood pressure drops as the heart tries to keep up with the loss

Pale, sweating, weakness

Vagal response [reaction to a real or perceived injury]

At 30% blood loss, Unconsciousness occurs

Body shuts down functions to conserve blood

At 40% blood loss, death can occur

Breathing may stop

4-6 minutes before irreversible brain damage/death occurs

Arteries operate at higher blood pressure and carry oxygenated blood

The Radial and Brachial artery data are consistent for men up to 250lbs!

"Soft tissue yields to pressure, a short-bladed knife can often inflict wounds deeper than its blade length."

The pericardium is accessible at 1.25"

The spine is accessible at 1"

MEDICAL TERMS:

Exsanguination: Blood Loss

Cardiac Tamponade: "blood fills the sac around the heart, gradually applies enough pressure to limit it's ability to pump and circulate blood effectively."

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TIMETABLE:

Hypovolemic Shock, Loss of Consciousness, Death

Vascular Targets

Knife Wound Statistics

Source: Contemporary Knife Targeting, Christopher Grosz/Michael D. Janich

Sample: 34 YOM, 188lbs, 6.1kml/blood (6Liters) FBI: 1992 statistic - loses 98ml/heartbeat

Artery	Depth (in.)	20% (1220ml.) Hypovolemic Shock	30% (1830ml.) Loss of Consciousness	40% (2440ml.) Death	Volume of Blood Carried
70bpm					
Brachial	.5"	1:47	1:26	1:55	10.0%
Radial	.25"	3:34	2:52	3:50	5.0%
Carotid	1"	2:22	1:55	2:33	7.5%
Subclavian	1"	1:47	1:26	1:55	10.0%
Iliac (hip)	.5"	1:47	1:26	1:55	10.0%
130bpm					
Brachial	.5"	0:58	1:04	1:25	10.0%
Radial	.25"	1:55	2:08	2:51	5.0%
Carotid	1"	1:17	1:25	1:54	7.5%
Subclavian	1"	0:00	1:04	1:25	10.0%
Iliac (hip)	.5"	0:58	1:04	1:25	10.0%
175bpm					
Brachial	.5"	0:43	1:04	1:25	10.0%
Radial	.25"	1:25	2:08	2:51	5.0%
Carotid	1"	0:57	1:25	1:54	7.5%
Subclavian	1"	0:43	1:04	1:25	10.0%
Iliac (hip)	.5"	0:43	1:04	1:25	10.0%

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#2 Pencil Wound:

